

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Complete if Known

Application Number	10/160,293
Filing Date	June 4, 2002
First Named Inventor	Erika Lindquist et al.
Group Art Unit	1645
Examiner Name	TBA
Attorney Docket Number	CL001241

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Erika Lindquist et al.

Art Unit: 1645

Serial No.: 10/160,293

Examiner: TBA

Filed: June 4, 2002

Atty. Docket: CL001241

For: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
ACID MOLECULES ENCODING HUMAN KINASE
PROTEINS, AND USES THEREOF

**Statement Regarding Duty to Disclose Information Material To Patentability Under
37 CFR 1.56 (a) and (b)**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants hereby notify the US Patent and Trademark Office of the documents listed on the attached PTO Form SB/08A, which may be deemed relevant to the patentability of the claims of the above application. One copy of each of the listed documents is submitted herewith. The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application.

No fee is due for this submission. However, the Patent and Trademark Office is authorized to charge any necessary fees related to the processing of this application to Deposit Account No. 50-0970.

Respectfully submitted,

CELERA GENOMICS

Date: October 31, 2003

By: 
Justin D. Karjala, Reg No. 43,704

Celera Genomics
45 West Gude Drive, C2-4#21
Rockville, MD 20850
Tel: 240-453-3812
Fax: 240-453-3084

Your Fasta Input (protein sequence):

1	MGFLGTGTWI	LVLVLP IQAF	PKPGGSQDKS	LHNRELSAER	PLNEQIAEAE
51	EDKIKKTYPP	DDPDGLHQLD	GTPLTAEDIV	HKIAARIYEE	NDRAVFDKIV
101	SKLLNLGLIT	ESQAHTLEDE	VAEVLQKLIS	KEANNYEEDP	NKPTSWTENQ
151	AGKIPEKVTP	MAAIQDGLAK	GENDETVSNT	LTLTNGLERR	TKTYSEDNFR
201	DFQYFPNFYA	LLKSIDSEKE	AKEKETLITI	MKTLIDFVKM	MVKYGTISPE
251	EGVSYLENLD	EMIALQTKNK	LEKNATDNIS	KLFPAPSEKS	HEETDSTKEE
301	AAKMEKEYGS	LKDSTKDDNS	NPGGKTDEPK	GKTEAYLEAI	RKNIEWLKKH
351	DKKGNKEDYD	LSKMRDFINK	OADAYVEKGI	LDKEEAEAIK	RIYSSL

Reference: Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schaffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", *Nucleic Acids Res.* 25:3389-3402.

Database: /work/eda/blast/public/FastAlert_P.fasta
427,960 sequences; 98,452,735 total letters

[illegible]

[illegible]

```

CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0
CRA|335001101574920 /dataset=FastAlert_P /length=468 /altid=Der... 668 0.0

```

```

>CRA|335001101574920 /dataset=FastAlert_P /length=468
      /altid=Derwent|US2003181709.150 /def=30-SEP-2003
      Length = 468

```

```

Score = 668 bits (1706), Expect = 0.0
Identities = 333/336 (99%), Positives = 334/336 (99%)

```

```

Query: 61  DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120
          DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTPMAAIQDGLAKGENDETVSNT 180
          VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTPMAAIQDGLAKGENDETVSNT
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240
          LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFPPAPSEKSHEETDSTKEE 300
          MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFPPAPSEKSHEETDSTKEE
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFPPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHKGNKEDYD 360
          AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHKGNKEDYD
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAIAIKRIYSSL 396
          LSKMRDFINKQADAYVEKGILDKEEAIAIKRIYSSL
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAIAIKRIYSSL 468

```

```

>CRA|335001101574920 /dataset=FastAlert_P /length=468
      /altid=Derwent|US2003181708.150 /def=30-SEP-2003
      Length = 468

```

```

Score = 668 bits (1706), Expect = 0.0
Identities = 333/336 (99%), Positives = 334/336 (99%)

```

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120
 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE
 Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEKVTMAAIQDGLAKGENDETVSNT 180
 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEKVTMAAIQDGLAKGENDETVSNT
 Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEKVTMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFIYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240
 LTLTNGLERRTKTYSEDNF + QYFPNFIYALLKSIDSEKEAKEKETLITIMKTLIDFVKM
 Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFIYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFAPSEKSHEETDSTKEE 300
 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFAPSEKSHEETDSTKEE
 Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHDKKGNKEDYD 360
 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHDKKGNKEDYD
 Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHDKKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396
 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL
 Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert_P /length=468
 /altid=Derwent|US2003181707.150 /def=30-SEP-2003
 Length = 468

Score = 668 bits (1706), Expect = 0.0
 Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120
 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE
 Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEKVTMAAIQDGLAKGENDETVSNT 180
 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEKVTMAAIQDGLAKGENDETVSNT
 Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEKVTMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFIYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240
 LTLTNGLERRTKTYSEDNF + QYFPNFIYALLKSIDSEKEAKEKETLITIMKTLIDFVKM
 Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFIYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFAPSEKSHEETDSTKEE 300
 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFAPSEKSHEETDSTKEE
 Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHDKKGNKEDYD 360
 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHDKKGNKEDYD
 Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHDKKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396
 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL
 Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert_P /length=468
/altid=Derwent|US2003181703.150 /def=30-SEP-2003
Length = 468

Score = 668 bits (1706), Expect = 0.0
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEKVTMAAIQDGLAKGENDETVSNT 180
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEKVTMAAIQDGLAKGENDETVSNT
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEKVTMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFAPSEKSHEETDSTKEE 300
MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFAPSEKSHEETDSTKEE
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHDKKGNKEDYD 360
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHDKKGNKEDYD
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHDKKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAIAIKRIYSSL 396
LSKMRDFINKQADAYVEKGILDKEEAIAIKRIYSSL
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAIAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert_P /length=468
/altid=Derwent|US2003181702.150 /def=30-SEP-2003
Length = 468

Score = 668 bits (1706), Expect = 0.0
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEKVTMAAIQDGLAKGENDETVSNT 180
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEKVTMAAIQDGLAKGENDETVSNT
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEKVTMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFAPSEKSHEETDSTKEE 300
MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFAPSEKSHEETDSTKEE
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIEWLKKHDKKGNKEDYD 360